

IN THE CLAIMS:

1-2. (Cancelled)

3. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the notifying device is a sound generating device which is arranged to the capsule medical apparatus.

4. (Cancelled)

5. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the notifying device is a vibrating device which is arranged to the capsule medical apparatus.

6. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the device for notifying the extracorporeal evacuation is operated in association with a timer arranged to the capsule medical apparatus.

7. (Cancelled)

8. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the device for notifying the extracorporeal evacuation is a pressure sensor arranged to the capsule medical apparatus.

9. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the device for detecting the extracorporeal evacuation is a temperature sensor arranged to the capsule medical apparatus.

10. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the device for detecting the extracorporeal evacuation is a pH sensor arranged to the capsule medical apparatus.

11. (Withdrawn) A capsule medical apparatus according to Claim 2, wherein the device for detecting the extracorporeal evacuation is an optical sensor arranged to the capsule medical apparatus.

12. (Withdrawn) A capsule medical apparatus according to Claim 2, further comprising:

an image pick-up element for capturing an image;
an illuminating device for illuminating a photographing target; and
an optical sensor for detecting the extracorporeal evacuation,
wherein the optical sensor is shared with the image pick-up element.

13-14. (Cancelled)

15. (Withdrawn) A capsule medical apparatus according to Claim 14, wherein the notifying device is a sound generating device arranged to the capsule medical apparatus.

16. (Cancelled)

17. (Withdrawn) A capsule medical apparatus according to Claim 14, wherein the notifying device is a vibrating device arranged to the capsule medical apparatus.

18-28. (Cancelled)

29. (Withdrawn) A capsule medical apparatus collecting system according to Claim 27, wherein the position specifying information is sound waves.

30. (Withdrawn) A capsule medical apparatus collecting system according to Claim 27, wherein the position specifying information is magnetic field.

31. (Withdrawn) A capsule medical apparatus collecting system according to Claim 27, wherein the position specifying information is strong light.

32. (Withdrawn) A capsule medical apparatus collecting system according to Claim 25, wherein the position specifying information is the physical quantity obtained in the large intestine in the living body.

33. (Withdrawn) A capsule medical apparatus collecting system having a capsule medical apparatus for passing a capsule casing through the living body and for detecting living body information and an extracorporeal device extracorporeally arranged, the capsule medical apparatus comprising in the casing:

a detecting device for detecting, as position specifying information, the physical quantity obtained in the large intestine in the living body;

a determining device for determining based on the position specifying information detected by the detecting device whether or not the casing is positioned in the large intestine; and

a notifying device for extracorporeally outputting a notifying signal when the determining device determines that the capsule casing is positioned in the large intestine, and the extracorporeal device comprising:

a receiving device for receiving the notifying signal; and

an output device for outputting sensible information based on the notifying signal.

34. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is a pH value characteristic of the large intestine.

35. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is the presence or absence and the amount of a characteristic material.

36. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is the presence or absence and the amount of microscopic organisms characteristic of the large intestine.

37. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is the concentration of marsh gas characteristic of the large intestine.

38. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is a pressure value characteristic of the large intestine.

39. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is the impedance characteristic of the large intestine.

40. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is color characteristic of the large intestine.

41. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is sound characteristic of the large intestine.

42. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is temperature characteristic of the large intestine.

43. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is the presence or absence and the amount of gene characteristic of the large intestine.

44. (Withdrawn) A capsule medical apparatus collecting system according to Claim 33, wherein the physical quantity is an enzyme characteristic of the large intestine.

45. (Withdrawn) A capsule medical apparatus collecting system comprising:
a capsule medical apparatus comprising a capsule casing and a transmitting device arranged in the capsule casing, the transmitting device for transmitting position specifying information detectable outside the casing, the capsule medical apparatus for detecting in-vivo information by the passage through the living body; and
an extracorporeal device extracorporeally arranged, the extracorporeal device comprising a receiving device extracorporeally arranged, for receiving the position specifying information, a determining device for determining based on the position specifying information received by the receiving device whether or not the capsule medical apparatus is positioned in the large intestine, and an output device for outputting sensible information when the determining device determines that the capsule medical apparatus is positioned in the large intestine.

46. (Withdrawn) A capsule medical apparatus collecting system according to Claim 45, wherein the position specifying information is electric waves.

47. (Withdrawn) A capsule medical apparatus collecting system according to Claim 45, wherein the position specifying information is electric waves generated from a radio IC chip.

48. (Withdrawn) A capsule medical apparatus collecting system according to Claim 45, wherein the position specifying information is sound waves.

49. (Withdrawn) A capsule medical apparatus collecting system according to Claim 45, wherein the position specifying information is magnetic field.

50. (Withdrawn) A capsule medical apparatus collecting system according to Claim 45, wherein the position specifying information is strong light.

51. (Withdrawn) A capsule medical apparatus collecting system according to Claim 45, wherein the transmitting device is a radio IC chip which can read and write information as well as the position specifying information to and from the extracorporeal device.

52. (Withdrawn) A capsule medical apparatus collecting system according to Claim 51, wherein an ID can be registered to the radio IC chip.

53. (New) A capsule medical apparatus comprising:
a capsule introduced into the body to perform medical actions such as
examination and treatment;

a detecting device provided in the capsule for detecting information of the living body;

a determining device for determining whether the capsule has been evacuated from the body, the determining device comparing a value detected by the detecting device and a preset threshold value so as to determine whether the capsule has been evacuated from the body; and

a notifying device for notifying that the capsule has been evacuated from the body in response to a determining result by the determining device.

54. (New) A capsule medical apparatus according to claim 53, wherein the notifying device is a light emitting device provided in the capsule.

55. (New) A capsule medical apparatus according to claim 53, wherein the notifying device is a vibrating device provided in the capsule.

56. (New) A capsule medical apparatus according to claim 53, wherein the capsule stops performance of the medical actions such as examination and treatment in response to the actuation of the notifying device.

57. (New) A capsule medical apparatus according to claim 53, wherein the capsule has an image pick-up device for picking up an image of a subject and an illuminating device for illuminating the subject.

58. (New) A capsule medical apparatus according to claim 57, wherein the notifying device notifies that the capsule has been evacuated from the body by making the illuminating device emit light intermittently.

59. (New) A capsule medical apparatus according to claim 57, wherein the capsule stops at least one of the actuations of the image pick-up device and the illuminating device in response to the actuation of the notifying device.

60. (New) A capsule medical apparatus according to claim 53, wherein the capsule is capable of selectively switching between an operating mode to nullify the function of the detecting device and make effective the function to perform medical actions such as examination and treatment and a standby mode to make effective the function of the detecting device and stops performance of the medical actions such as examination and treatment.

61. (New) A capsule medical apparatus according to claim 57, wherein the capsule is capable of selectively switching between an operating mode to nullify the detecting of information by the detecting device and make effective functions of the image pickup device and the illuminating device and a standby mode to make effective the detecting of information by the detecting device and stop at least one of the functions of the image pick-up device and the illuminating device.

62. (New) A capsule medical apparatus according to claim 60, wherein the capsule switches between the operating mode and the standby mode at preset times.

63. (New) A capsule medical apparatus according to claim 61, wherein the capsule switches between the operating mode and the standby mode at preset times.

64. (New) A capsule medical apparatus according to claim 53, wherein the determining device compares the value detected by the detecting device and the preset

threshold value so as to determine whether the capsule is at a position just before being evacuated from the body, and

the notifying device notifies also in a case where the determining device has determined that the capsule is at a position just before being evacuated from the body.